

OPTICAL MUX/DEMUX

FIG. 1

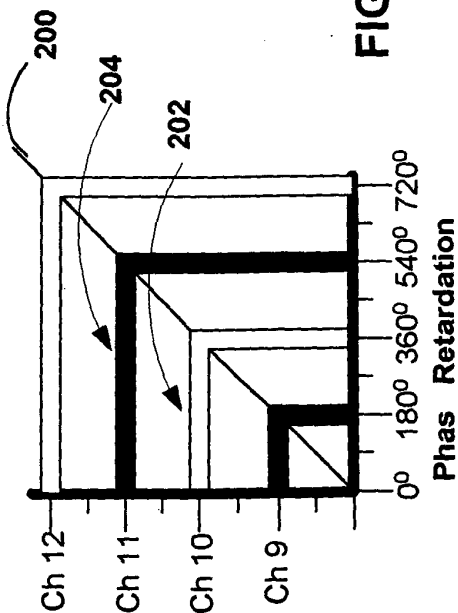


FIG. 2A

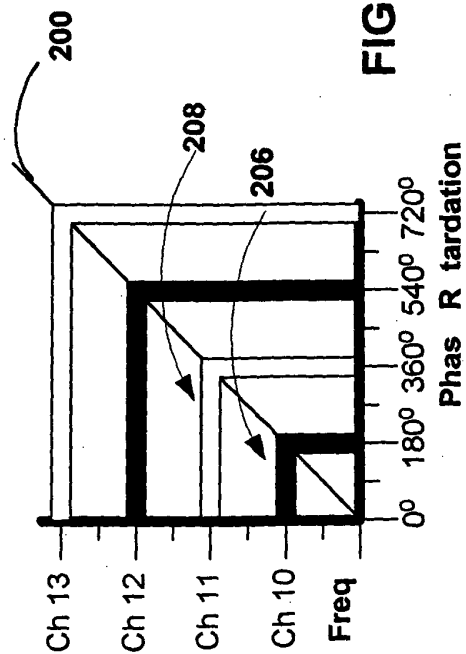


FIG. 2B

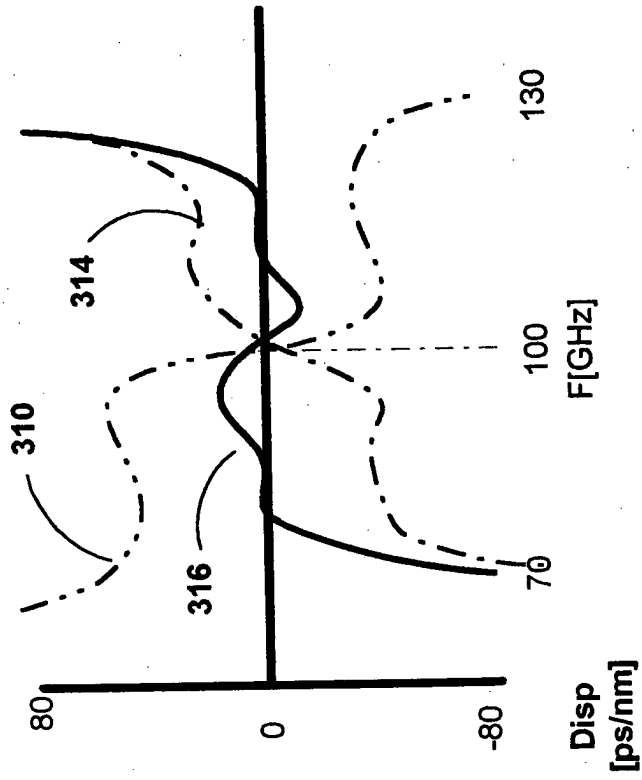


FIG. 3B

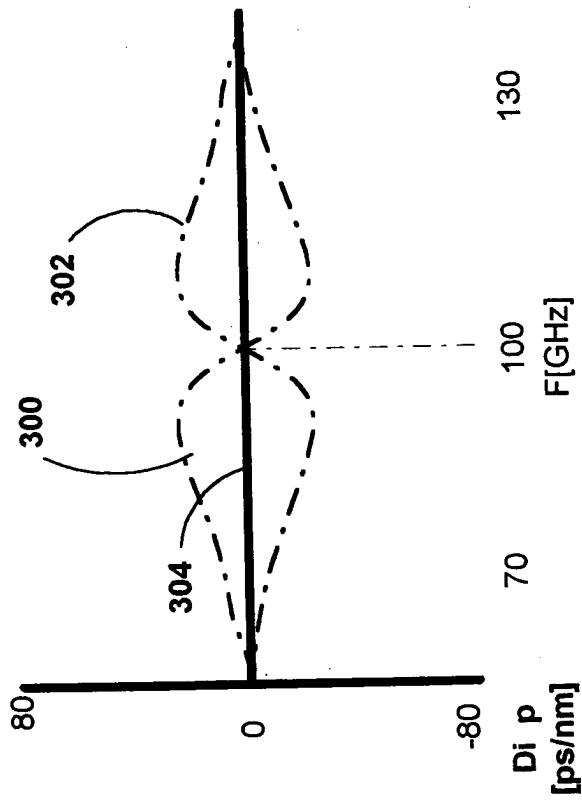


FIG. 3A

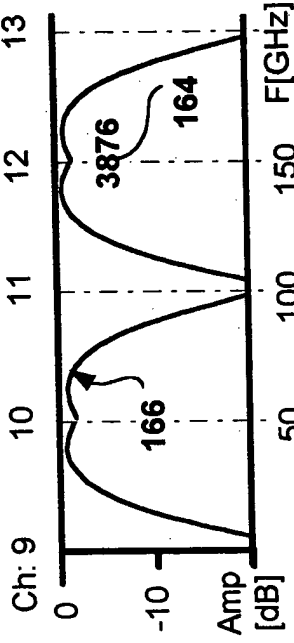


FIG. 4B

EVEN

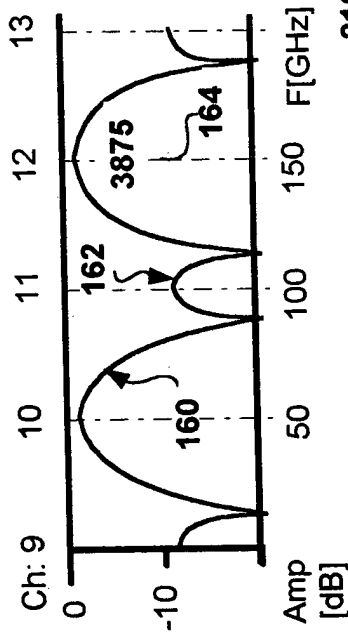


FIG. 4A

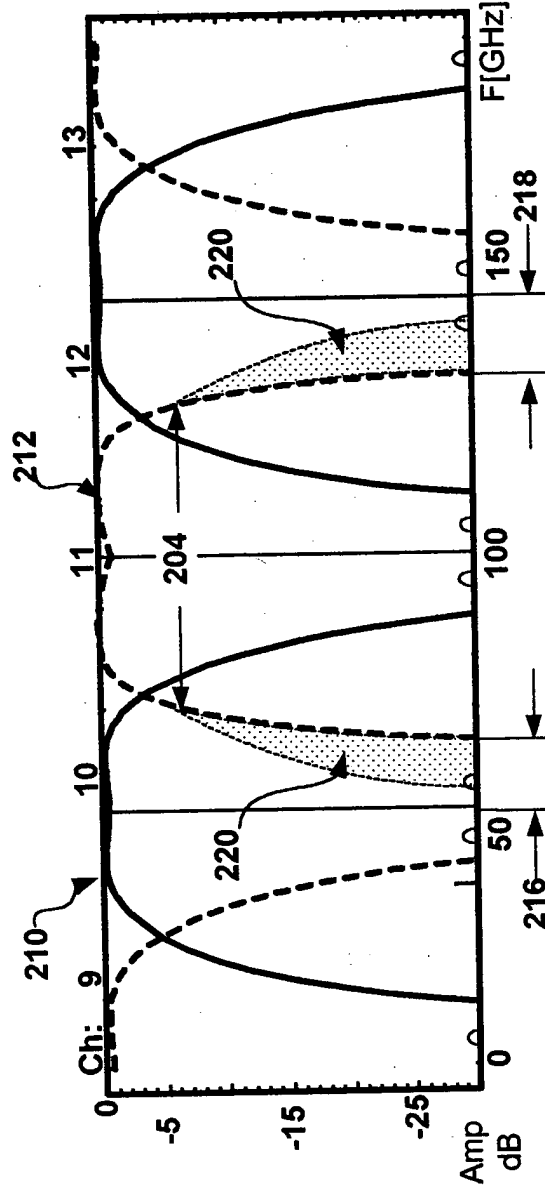


FIG. 4E

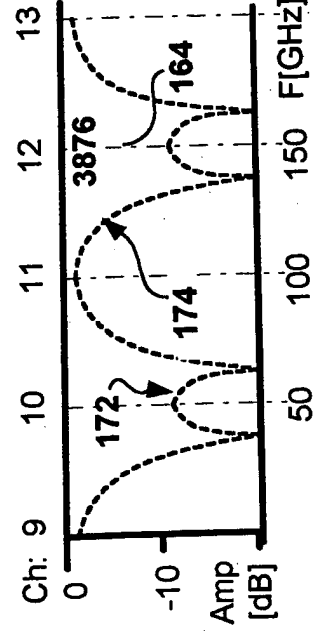


FIG. 4D

ODD

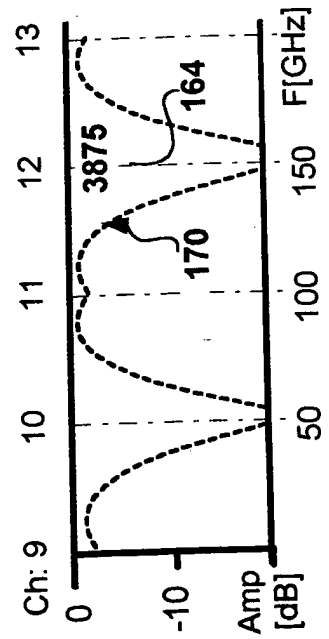


FIG. 4C

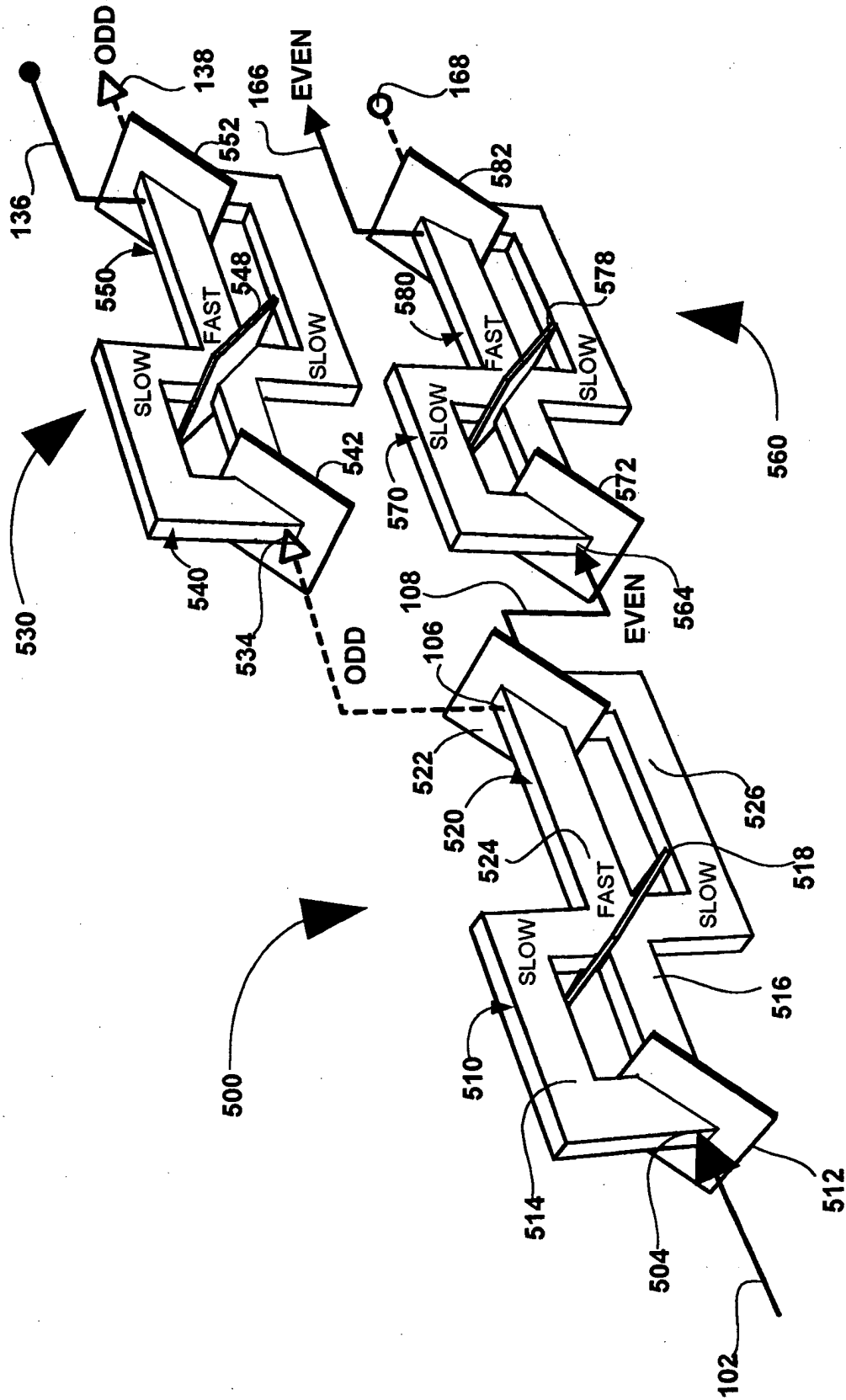


FIG. 5A

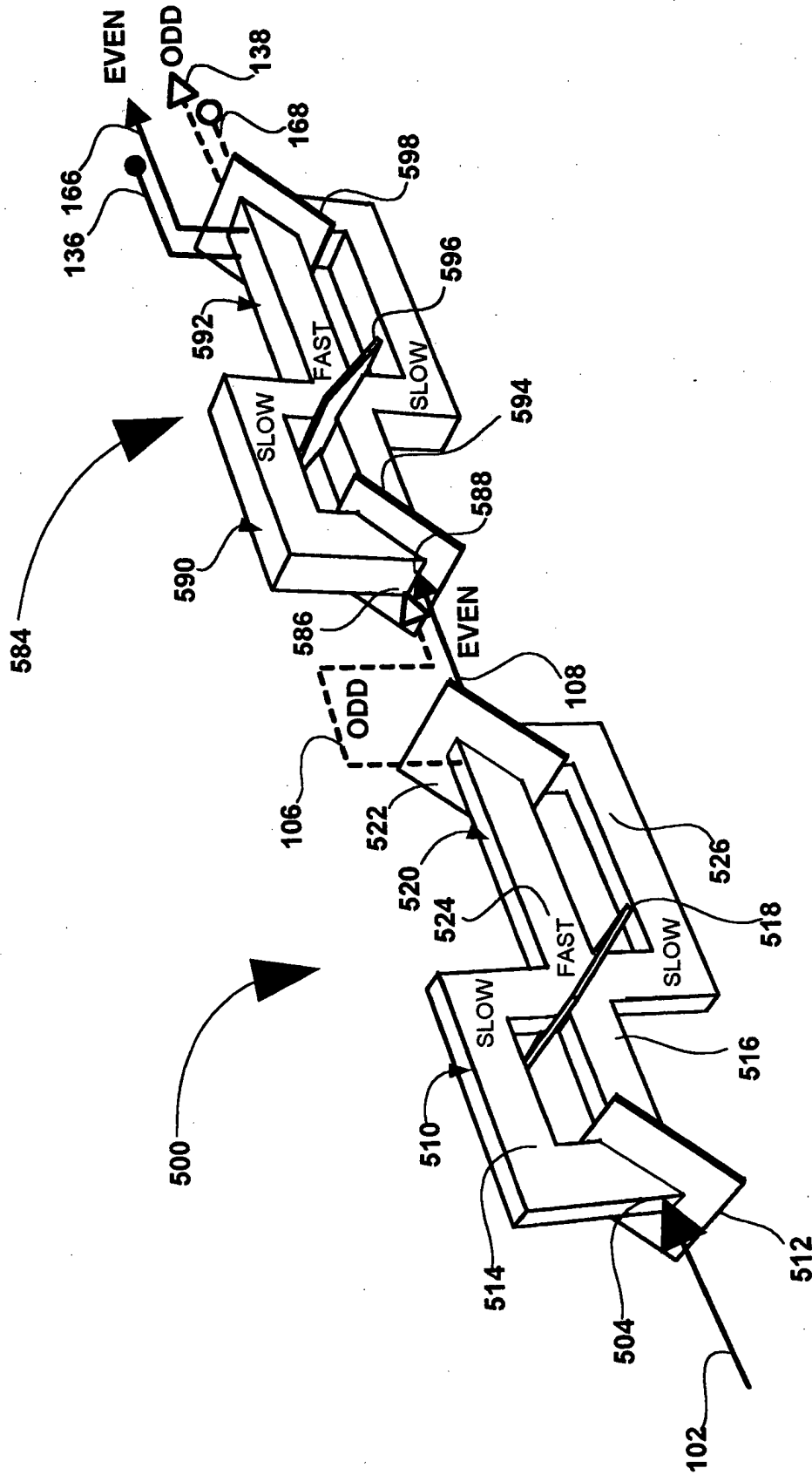


FIG. 5B

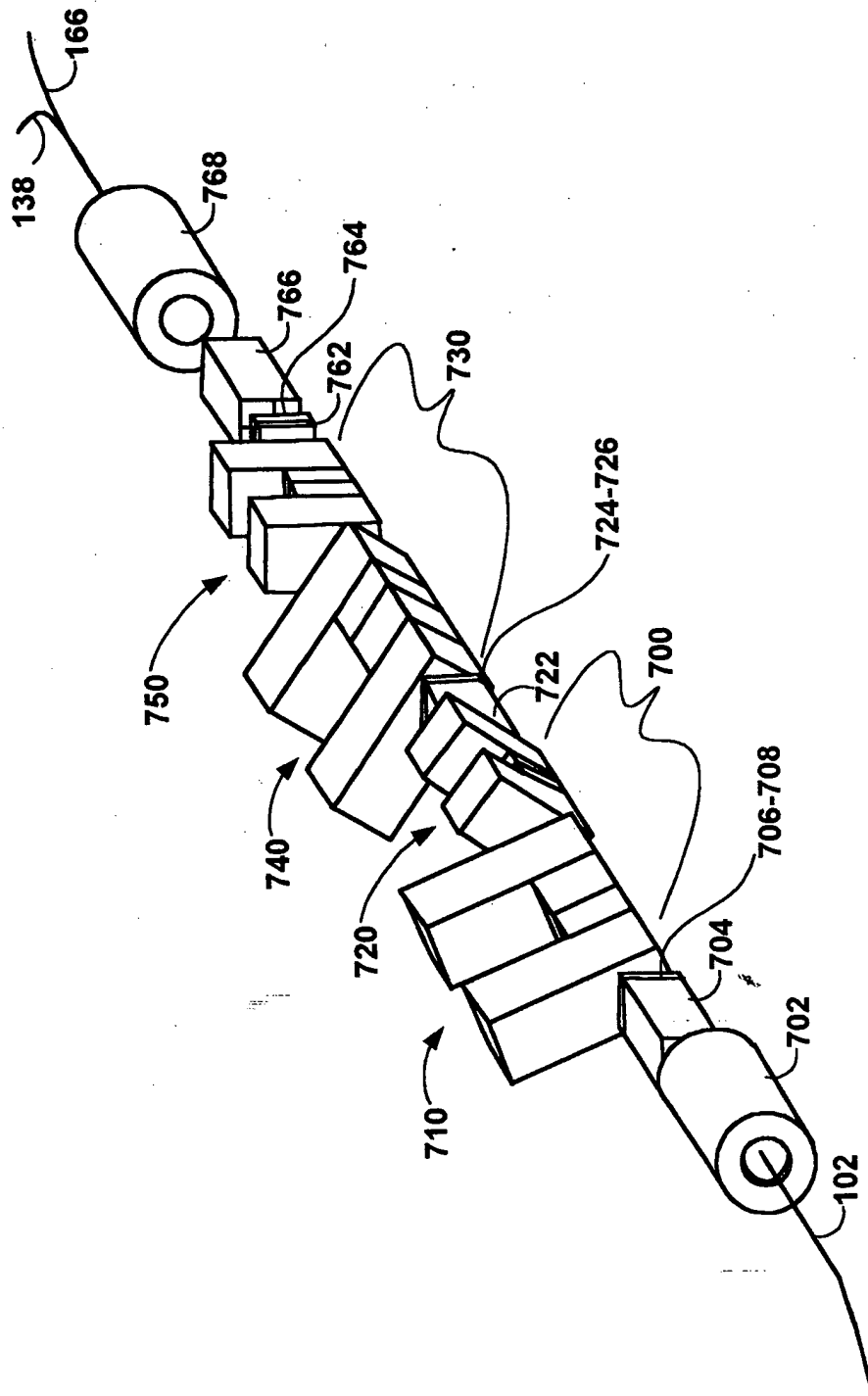


FIG. 7A

FIG. 7B

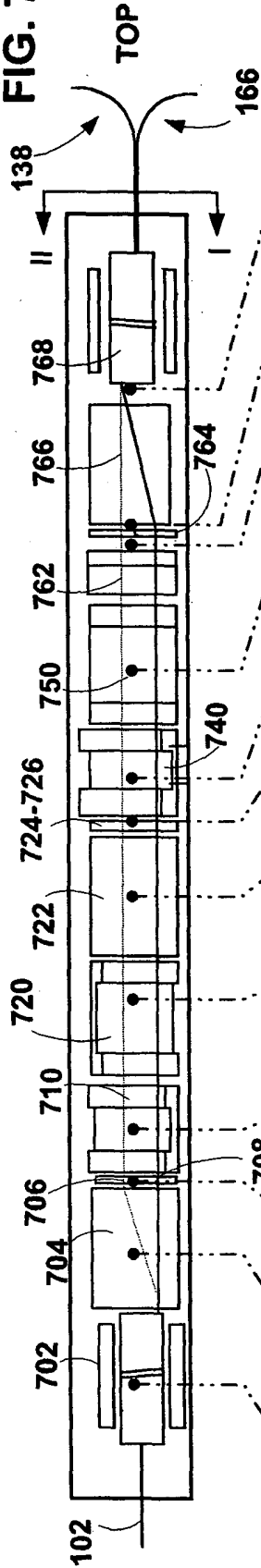


FIG. 7D

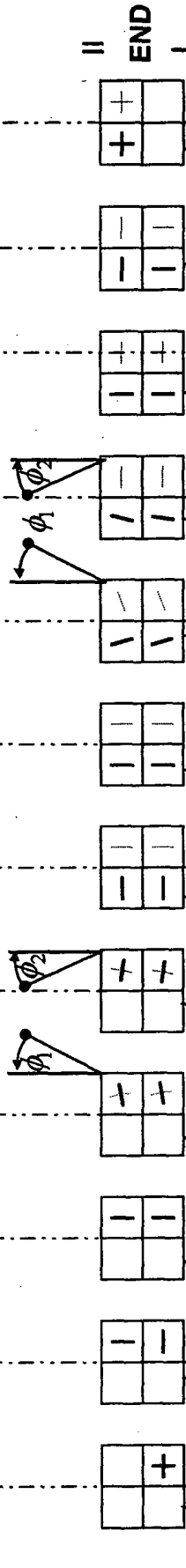
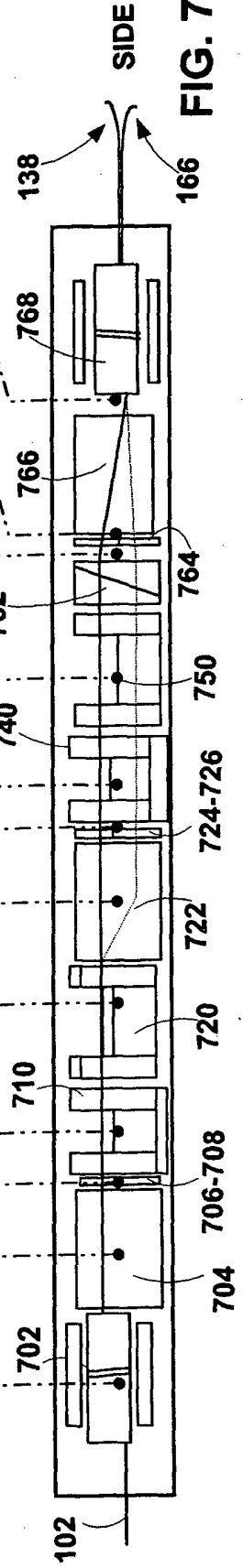


FIG. 7C



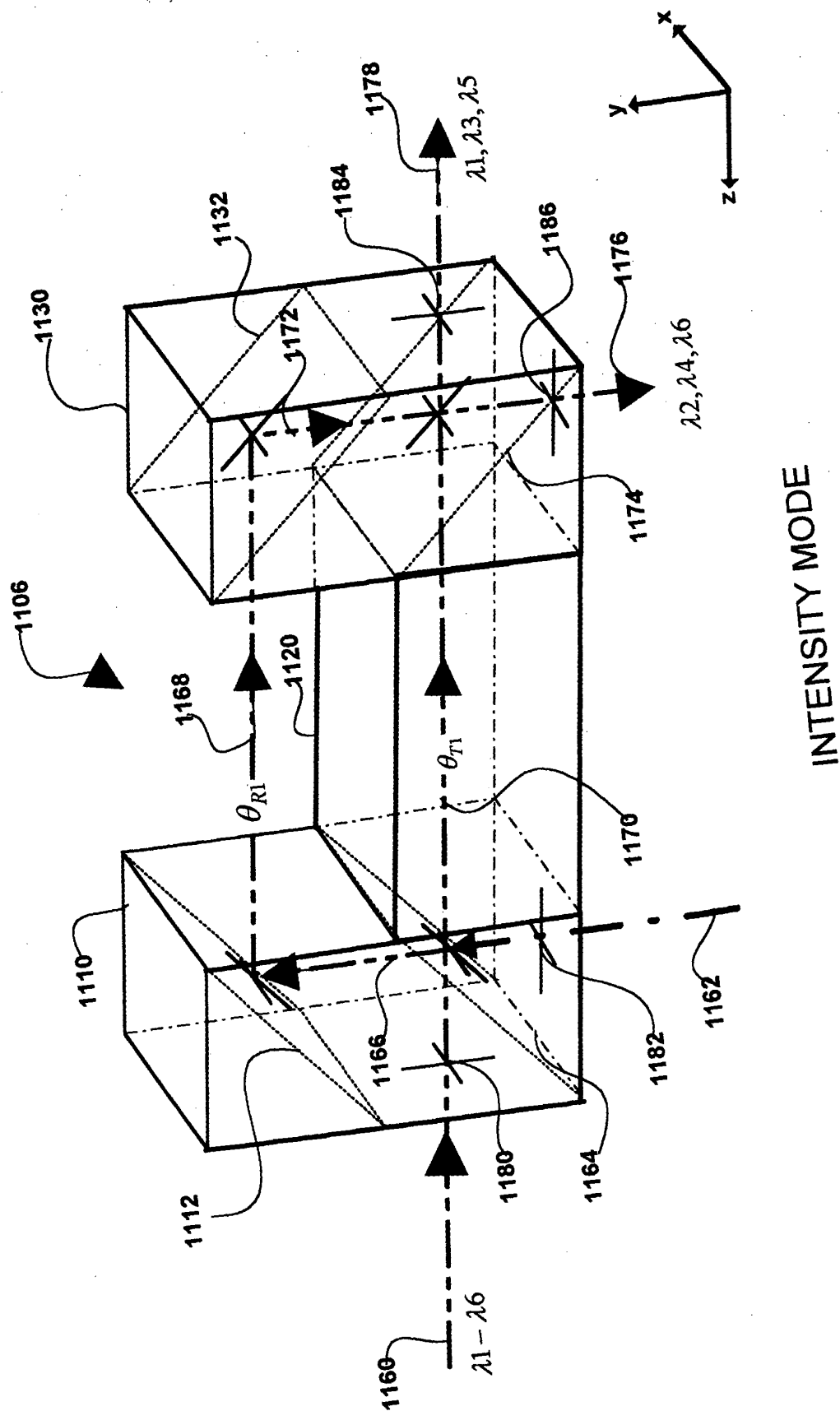
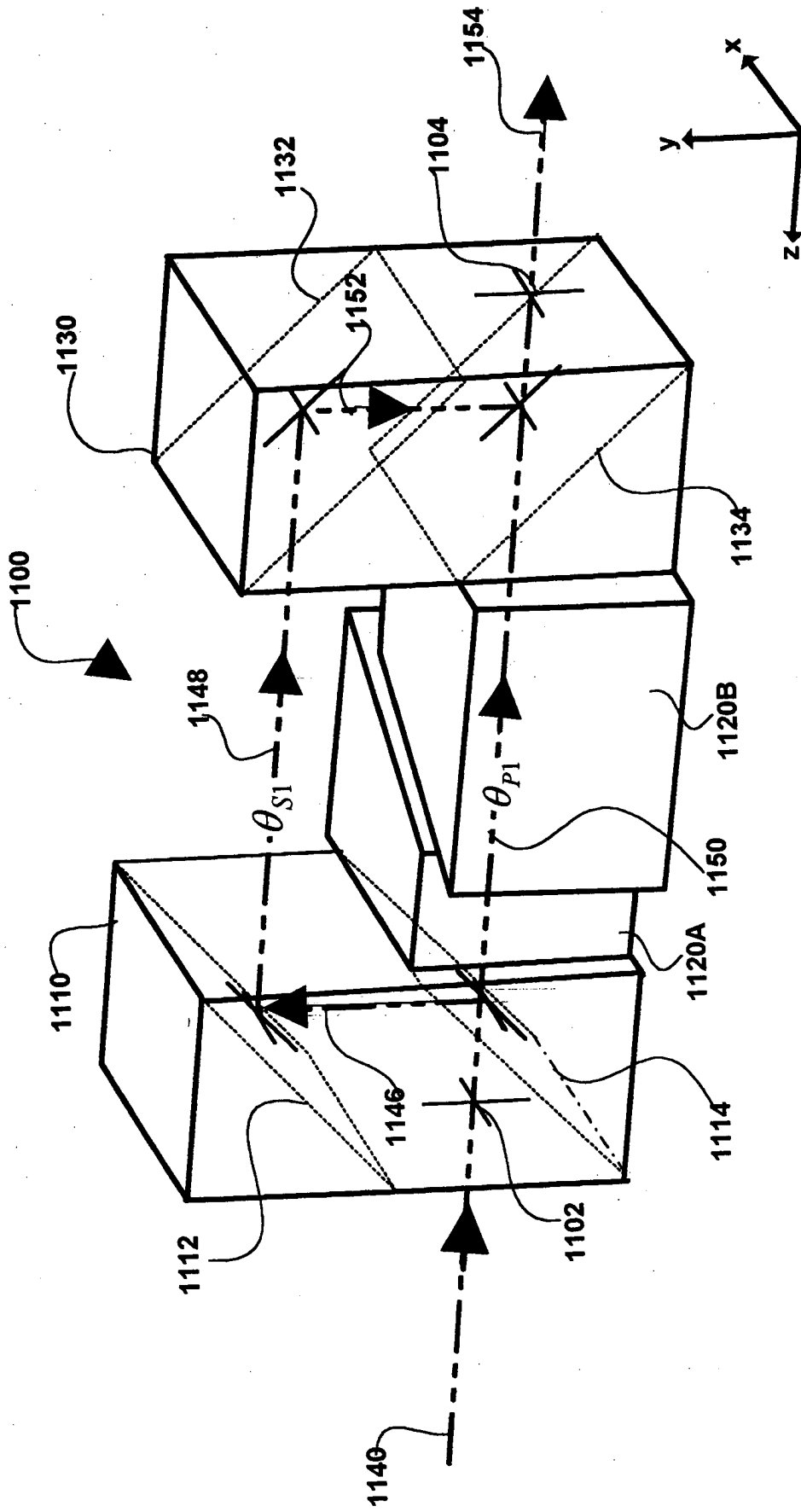
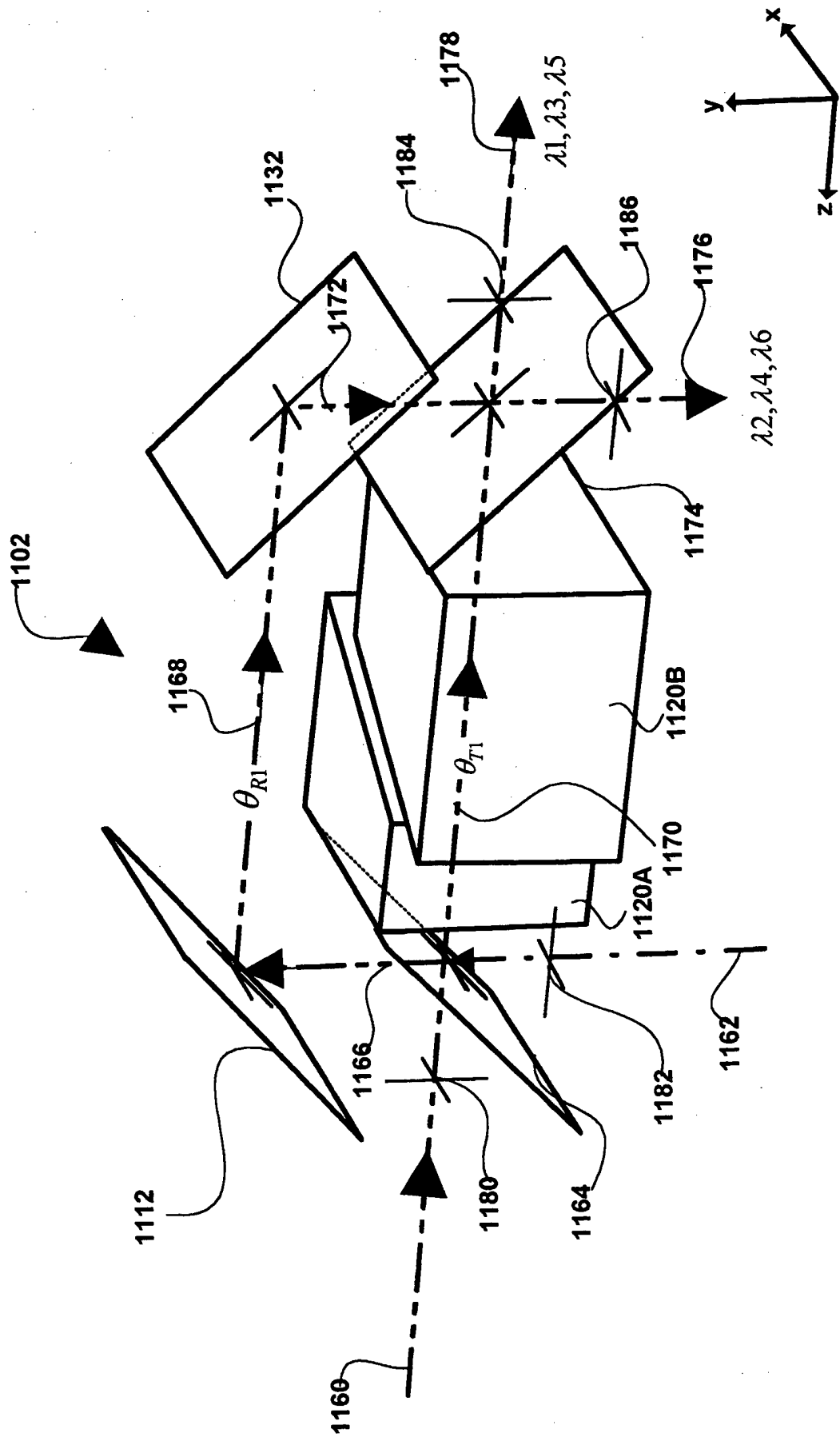


FIG. 8B



POLARIZATION MODE

FIG. 8C



INTENSITY MODE

FIG. 8E

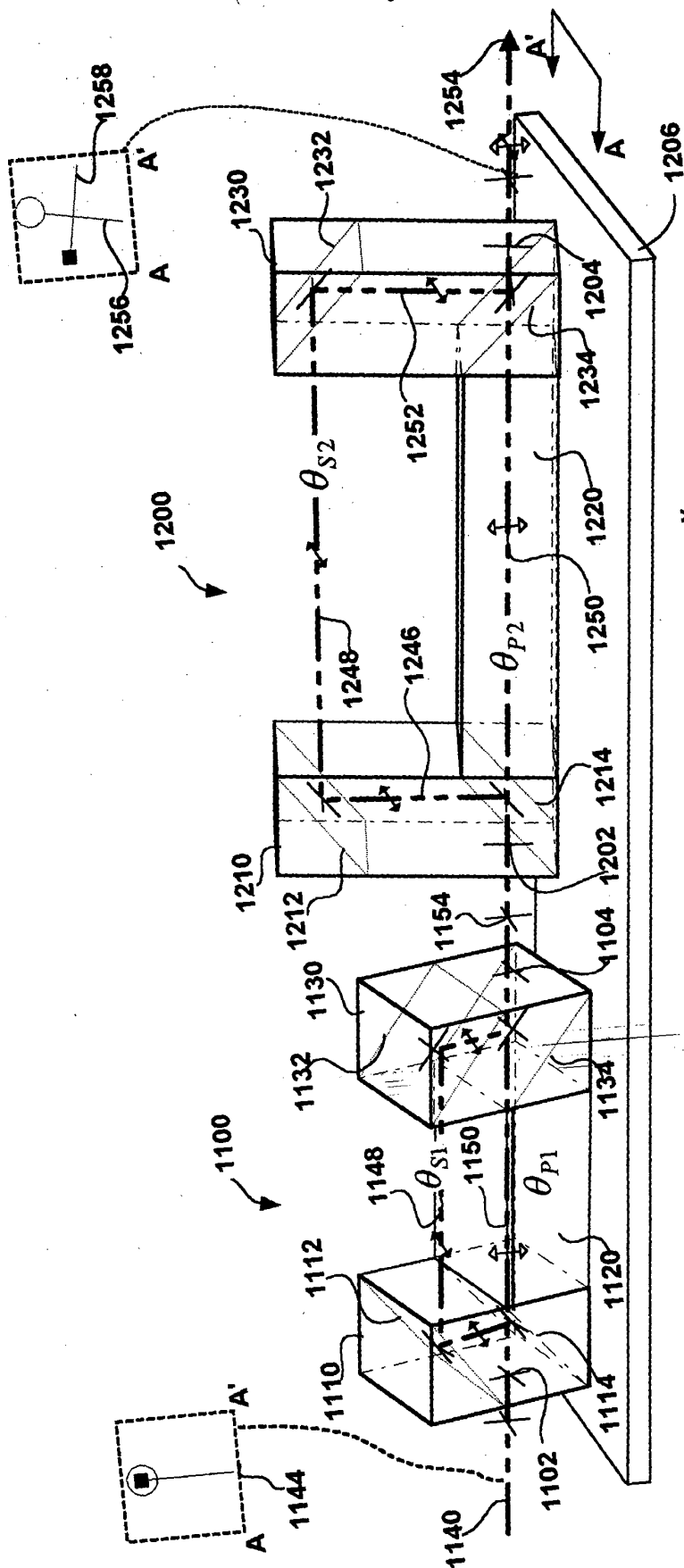


FIG. 9A

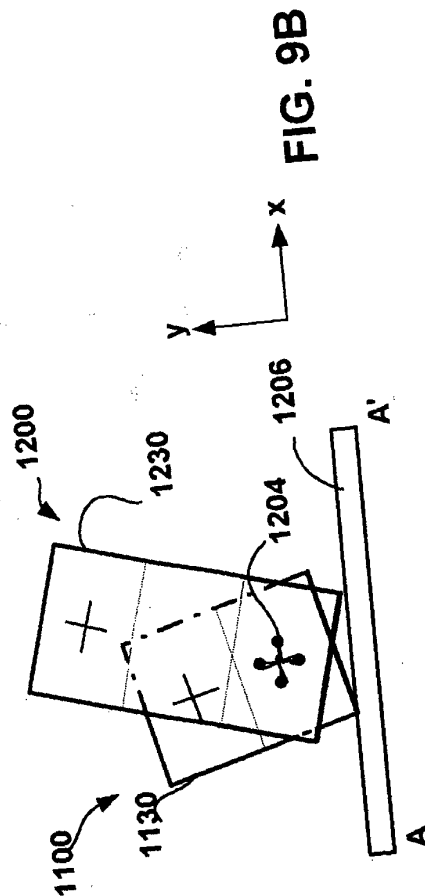


FIG. 9B

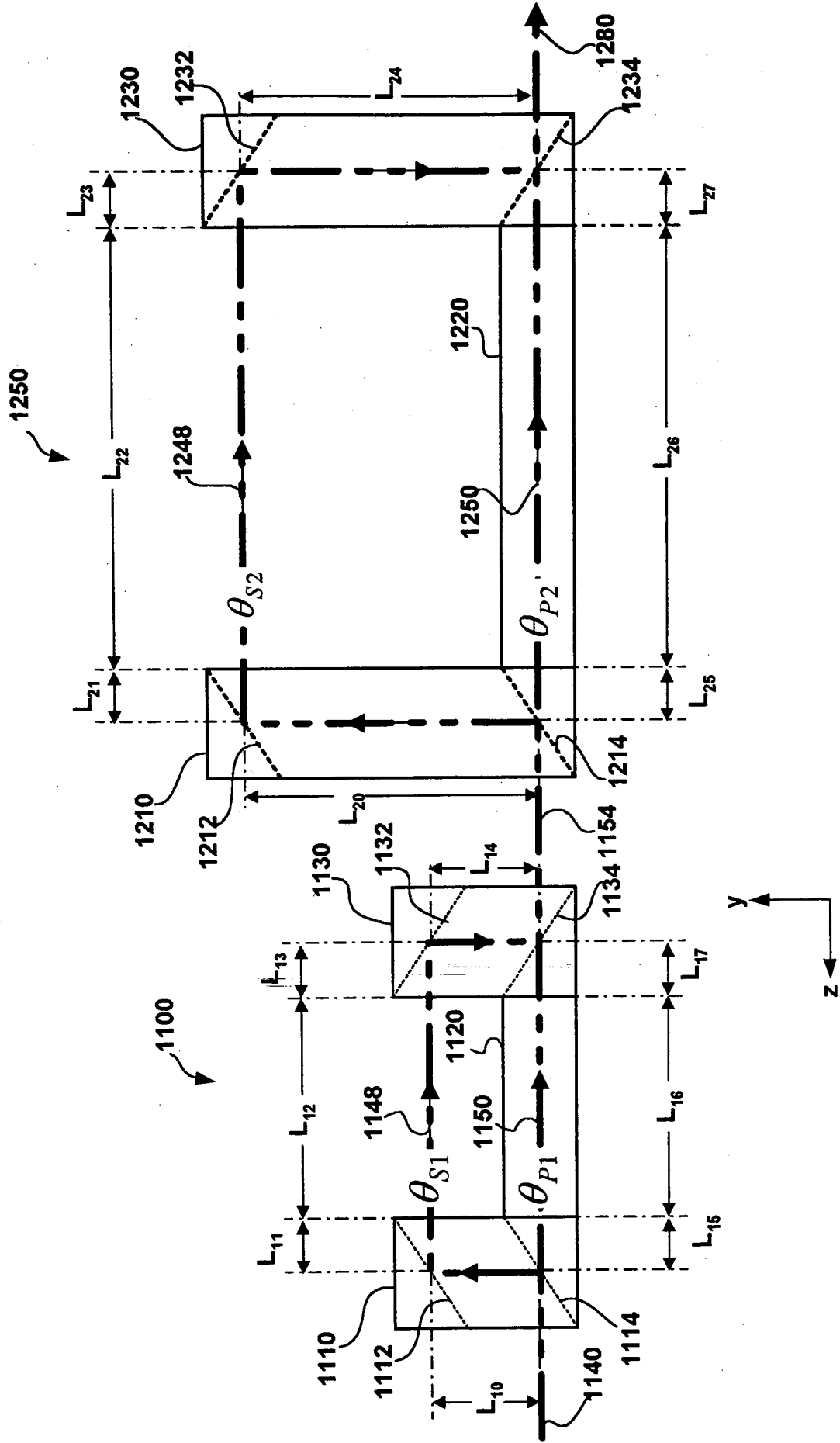


FIG. 9C

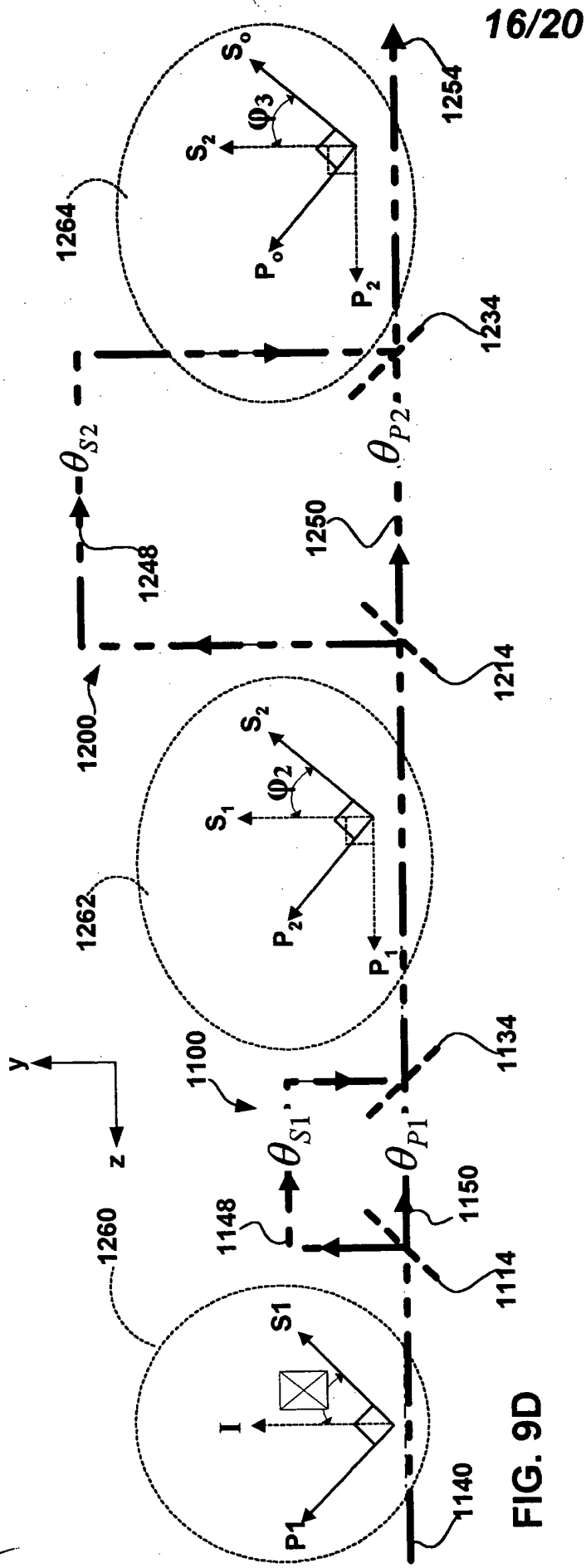


FIG. 9D

$$\begin{aligned}
 \text{Path 1} &= \cos \phi_1 \cdot \cos \phi_2 \cdot \cos \phi_3 \cdot e^{i(\theta_{S1} + \theta_{S2})} \\
 \text{Path 2} &= \cos \phi_1 \cdot \sin \phi_2 \cdot -\sin \phi_3 \cdot e^{i(\theta_{S1} + \theta_{P2})} \\
 \text{Path 3} &= \sin \phi_1 \cdot -\sin \phi_2 \cdot \cos \phi_3 \cdot e^{i(\theta_{P1} + \theta_{S2})} \\
 \text{Path 4} &= \sin \phi_1 \cdot \cos \phi_2 \cdot -\sin \phi_3 \cdot e^{i(\theta_{P1} + \theta_{P2})}
 \end{aligned}$$

FIG. 9E

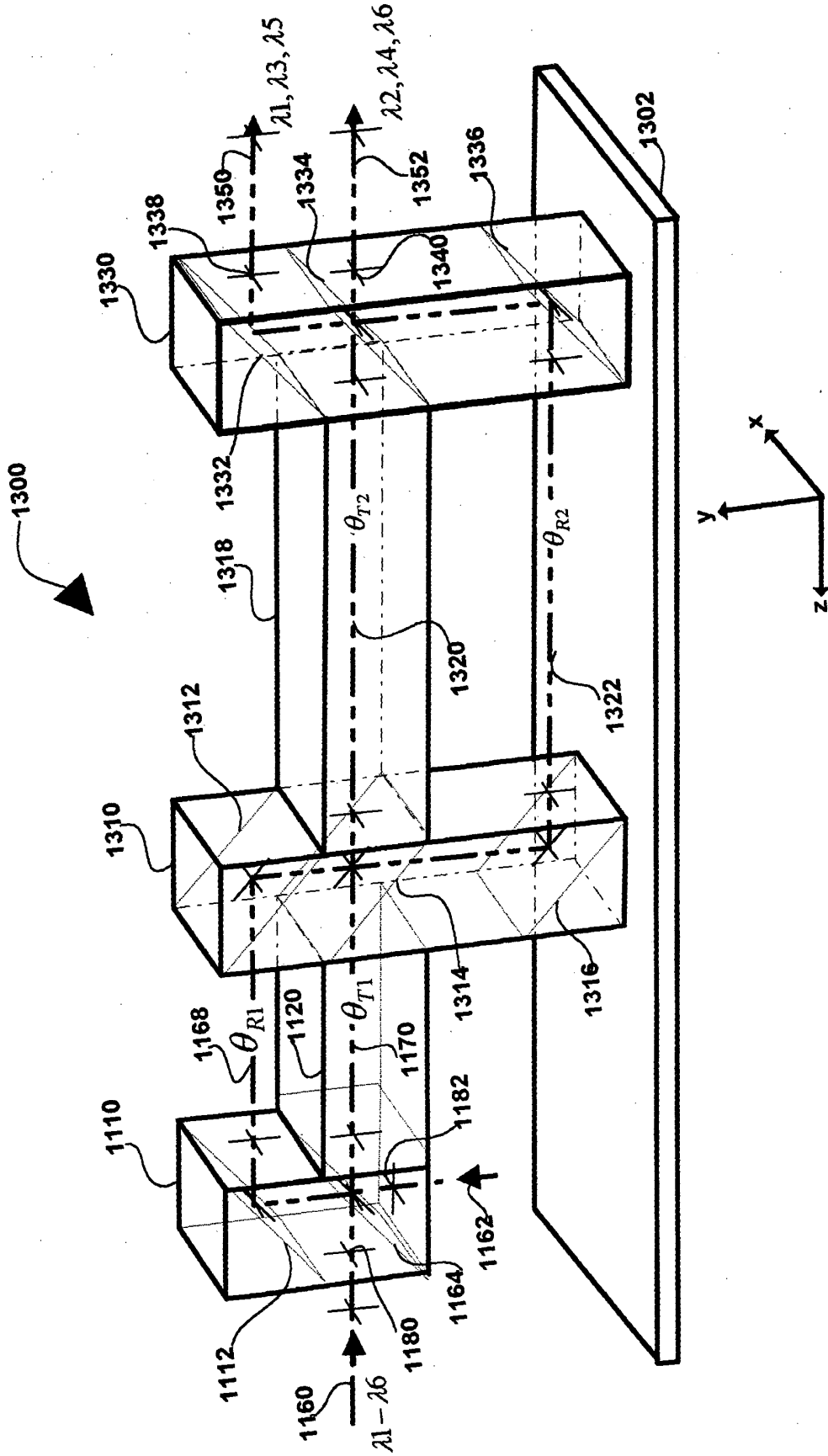


FIG. 10A

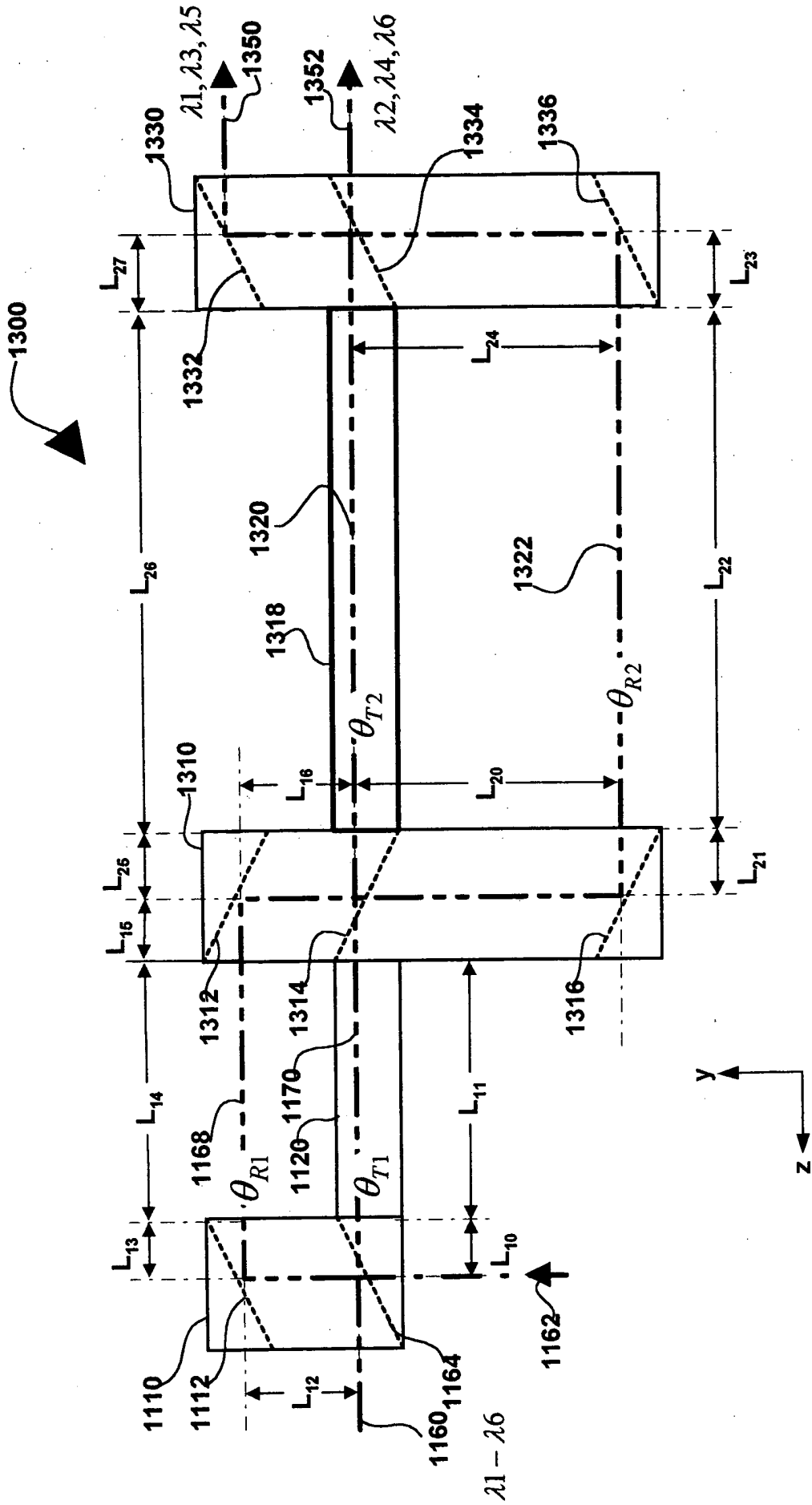


FIG. 10B

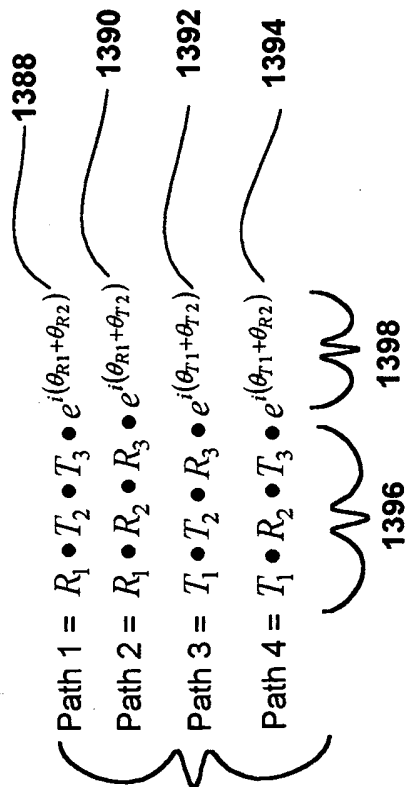
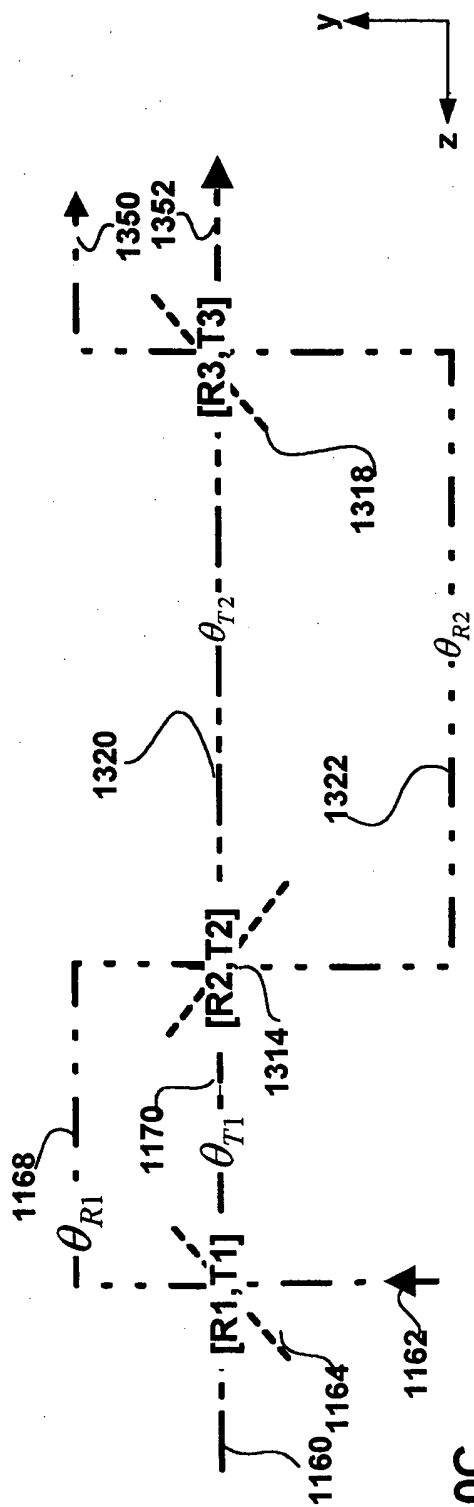


FIG. 10D

